

Submit in duplicate to
appropriate district office
See Rule 401 & Rule 1122

Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator TEXACO EXPLORATION						Lease or Unit Name E. E. BLINEBRY "A" FEDERAL COM					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 6/3/96		Well No. 4			
Completion Date 5/20/96		Total Depth 3350		Plug Back TD 3342		Elevation		Unit Ltr. - Sec. - TWP - Rge. L 31-23S-37E			
Csg. Size 5 1/2	Wt. 15.5	d	Set At 3293	Perforations: From: 2997 To: 3234				County LEA			
Tbg. Size 2-3/8	Wt. 4.7	d 1.995	Set At	Perforations: From: To:				Pool Jalmat			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single						Packer Set At none		Formation JALMAT Y-SR			
Producing Thru TBG		Reservoir Temp. °F 89		Mean Annual Temp. °F 60		Baro. Press - P _a 13.2		Connection AIR			
L 3109	H 3109	Gg .780	% CO ₂ 6.53	% N ₂ 1.36	% H ₂ S	Prover -0-	Meter Run 2.067		Taps FLG.		

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	Orifice X Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI						82				12 hrs.
1.	2.067	X 1.500	29	13"	90	39	80			24 hrs.
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	12.76	23.42	42.2	.9813	1.132	.992	329
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.0609	550	1.291	1.131	N/A	
2.					A.P. I. Gravity of Liquid Hydrocarbons N/A	Deg.
3.					Specific Gravity Separator Gas .780	XXXXXXXXXX
4.					Specific Gravity Flowing Fluid N/A	XXXXXX
5.					Critical Pressure 692	P.S.I.A. P.S.I.A.
					Critical Temperature 426	R R

P_c 95.2 P_c² 9.1

NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1.	2.7	65.5	4.3	4.8
2.				
3.				
4.				
5.				

1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.897$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 624$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.897$

Absolute Open Flow <u>624</u> Mcfd @ 15.025	Angle of Slope θ <u>45°</u>	Slope, n <u>1.000</u>
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Remarks: _____

Approved By Division

Conducted By:

PRO WELL TESTER

Calculated By:

MB

Checked By:

BM